

OPTICAL AND ELECTRICAL METHODS AND APPARATUS FOR MOLECULE DETECTION

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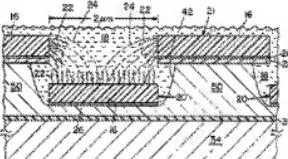
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Abstract of WO9322678

A method and apparatus are disclosed for identifying molecular structures within a sample substance using a monolithic array of test sites formed on a substrate upon which the sample substance is applied. Each test site includes probes formed therein to bond with a predetermined target molecule structure or structures. A signal is applied to the test sites and certain electrical, mechanical and/or optical properties of the test sites are detected to determine which probes have bonded to a predetermined target molecular structure.



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